



State of Utah
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DIVISION OF OIL, GAS AND MINING

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October 31, 1997

TO: Minerals File

FROM: Lynn Kunzler, Senior Reclamation Specialist *L-K*

RE: Site Inspection & Vegetation Survey, American Stone Company, Cotton Thomas Quarry, M/003/024, Box Elder County, Utah

Date of Inspection: October 15, 1997
Time of Inspection: 11:00 a.m.
Conditions: Clear, warm
Participants: Lynn Kunzler, DOGM

Purpose of Inspection: Document site conditions and conduct vegetation survey.

This inspection and vegetation survey was completed at the request of Lon Thomas, American Stone to provide assistance in obtaining the necessary vegetation information that will be required for his large mining Notice of Intention that will need to be filed for this site.

In general, the only equipment left on site at the time of this inspection was a front end loader that was parked alone side the road to the buckskin quarry and an excavator at the granite quarry. All other equipment has been removed for the season.

Vegetation sampling was conducted using randomly located transects (at least one transect was located in the general area of each quarry area) with vegetation being recorded at regular intervals along each of ten transects. Percent ground cover was calculated by averaging all transects.

The vegetation of the area is dominated by low sagebrush with scattered patches of snowberry, buckbrush and subalpine fir (adjacent to the buckskin quarry). Species noted during the survey included: low sagebrush, mountain big sagebrush, basin wildrye, snowberry, bluegrass, serviceberry, arnica, ricegrass, sheep fescue, wild buckwheat, oregon grape, western wheatgrass, bluebunch wheatgrass, mountain lupine, phlox, ceonothus, chokecherry, subalpine fir, yarrow, and aspen. Ground cover was estimated at 63%, with the range being from 50% to 80% cover. While not required for permitting, rock constituted nearly 30% of the total ground cover and litter and bare ground making up only 7%. Based on this survey, the reclamation standard for revegetation success would be 70% of the 63% vegetation ground cover, or 44.1%.

cc: Lon Thomas, American Stone
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